

SYSTEM AND METHOD FOR OPTIMIZING MANUFACTURING PROCESSES USING REAL TIME PARTITIONED PROCESS CA- PABILITY ANALYSIS

Abstract

A system and method for optimizing a manufacturing process.

The system comprises: a database of operational data gathered from previously performed manufacturing processes; a filtering system for filtering the database into a plurality of data subsets; a calculation system for calculating evaluation criteria for a selected data subset; an analysis system for determining if the evaluation criteria meets a set of predetermined requirements; and an iteration system that selects a new data subset if the selected data subset fails to provide evaluation criteria that meets the set of predetermined requirements.